

Martino V Franchi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8696341/publications.pdf>

Version: 2024-02-01

63
papers

2,498
citations

279798

23
h-index

214800

47
g-index

73
all docs

73
docs citations

73
times ranked

2867
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of sedentarism due to the COVID-19 home confinement on neuromuscular, cardiovascular and metabolic health: Physiological and pathophysiological implications and recommendations for physical and nutritional countermeasures. <i>European Journal of Sport Science</i> , 2021, 21, 614-635.	2.7	287
2	Architectural, functional and molecular responses to concentric and eccentric loading in human skeletal muscle. <i>Acta Physiologica</i> , 2014, 210, 642-654.	3.8	266
3	Skeletal Muscle Remodeling in Response to Eccentric vs. Concentric Loading: Morphological, Molecular, and Metabolic Adaptations. <i>Frontiers in Physiology</i> , 2017, 8, 447.	2.8	226
4	Muscle thickness correlates to muscle cross-sectional area in the assessment of strength training-induced hypertrophy. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 846-853.	2.9	193
5	A validation of the application of D ₂ O stable isotope tracer techniques for monitoring day-to-day changes in muscle protein subfraction synthesis in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E571-E579.	3.5	159
6	Impact of Potential Physiological Changes due to COVID-19 Home Confinement on Athlete Health Protection in Elite Sports: a Call for Awareness in Sports Programming. <i>Sports Medicine</i> , 2020, 50, 1417-1419.	6.5	120
7	Muscle structural assembly and functional consequences. <i>Journal of Experimental Biology</i> , 2016, 219, 276-284.	1.7	104
8	Muscle Architecture Assessment: Strengths, Shortcomings and New Frontiers of in Vivo Imaging Techniques. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 2492-2504.	1.5	96
9	Regional regulation of focal adhesion kinase after concentric and eccentric loading is related to remodelling of human skeletal muscle. <i>Acta Physiologica</i> , 2018, 223, e13056.	3.8	73
10	Hypertrophic Effects of Concentric vs. Eccentric Muscle Actions: A Systematic Review and Meta-analysis. <i>Journal of Strength and Conditioning Research</i> , 2017, 31, 2599-2608.	2.1	72
11	Ultrasound-derived Biceps Femoris Long Head Fascicle Length: Extrapolation Pitfalls. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 233-243.	0.4	69
12	Early structural remodeling and deuterium oxide-derived protein metabolic responses to eccentric and concentric loading in human skeletal muscle. <i>Physiological Reports</i> , 2015, 3, e12593.	1.7	57
13	Neuromuscular junction instability and altered intracellular calcium handling as early determinants of force loss during unloading in humans. <i>Journal of Physiology</i> , 2021, 599, 3037-3061.	2.9	55
14	Implementing Ultrasound Imaging for the Assessment of Muscle and Tendon Properties in Elite Sports: Practical Aspects, Methodological Considerations and Future Directions. <i>Sports Medicine</i> , 2021, 51, 1151-1170.	6.5	44
15	Age-related alterations in muscle architecture are a signature of sarcopenia: the ultrasound sarcopenia index. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 973-982.	7.3	38
16	Biceps femoris long head sarcomere and fascicle length adaptations after 3 weeks of eccentric exercise training. <i>Journal of Sport and Health Science</i> , 2022, 11, 43-49.	6.5	34
17	Muscle and Tendon Contributions to Reduced Rate of Torque Development in Healthy Older Males. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 539-545.	3.6	33
18	Detraining of specific neuromuscular qualities in elite footballers during COVID-19 quarantine. <i>Science and Medicine in Football</i> , 2021, 5, 26-31.	2.0	28

#	ARTICLE	IF	CITATIONS
19	Muscle and tendon adaptations to moderate load eccentric vs. concentric resistance exercise in young and older males. <i>GeroScience</i> , 2021, 43, 1567-1584.	4.6	28
20	Fascicle length does increase in response to longitudinal resistance training and in a contraction-mode specific manner. <i>SpringerPlus</i> , 2016, 5, 94.	1.2	26
21	Eccentric Exercise and the Critically Ill Patient. <i>Frontiers in Physiology</i> , 2017, 8, 120.	2.8	26
22	Bouncing Back! Counteracting Muscle Aging With Plyometric Muscle Loading. <i>Frontiers in Physiology</i> , 2019, 10, 178.	2.8	26
23	A double-blind placebo controlled trial into the impacts of HMB supplementation and exercise on free-living muscle protein synthesis, muscle mass and function, in older adults. <i>Clinical Nutrition</i> , 2019, 38, 2071-2078.	5.0	25
24	Cellular Aspects of Muscle Specialization Demonstrate Genotype “ Phenotype Interaction Effects in Athletes. <i>Frontiers in Physiology</i> , 2019, 10, 526.	2.8	24
25	Differential expression of perilipin 2 and 5 in human skeletal muscle during aging and their association with atrophy-related genes. <i>Biogerontology</i> , 2015, 16, 329-340.	3.9	23
26	The Impact of Coronavirus (COVID-19) Related Public-Health Measures on Training Behaviours of Individuals Previously Participating in Resistance Training: A Cross-Sectional Survey Study. <i>Sports Medicine</i> , 2021, 51, 1561-1580.	6.5	23
27	The influence of longitudinal muscle fascicle growth on mechanical function. <i>Journal of Applied Physiology</i> , 2022, 133, 87-103.	2.5	22
28	Signatures of muscle disuse in spaceflight and bed rest revealed by single muscle fiber proteomics. , 2022, 1, .		22
29	The Time-Course of Changes in Muscle Mass, Architecture and Power During 6 Weeks of Plyometric Training. <i>Frontiers in Physiology</i> , 2020, 11, 946.	2.8	21
30	Panoramic ultrasound vs. MRI for the assessment of hamstrings cross-sectional area and volume in a large athletic cohort. <i>Scientific Reports</i> , 2020, 10, 14144.	3.3	21
31	Distinct modalities of eccentric exercise: different recipes, not the same dish. <i>Journal of Applied Physiology</i> , 2019, 127, 881-883.	2.5	20
32	Maximal Eccentric Hamstrings Strength in Competitive Alpine Skiers: Cross-Sectional Observations From Youth to Elite Level. <i>Frontiers in Physiology</i> , 2019, 10, 88.	2.8	17
33	Does a Better Perfusion of Deconditioned Muscle Tissue Release Chronic Low Back Pain?. <i>Frontiers in Medicine</i> , 2018, 5, 77.	2.6	15
34	Sharing information is probably more helpful than providing generic training recommendations on return to play after COVID-19 home confinement. <i>Science and Medicine in Football</i> , 2020, 4, 169-170.	2.0	13
35	Are muscle fibres of body builders intrinsically weaker? A comparison with single fibres of aged-matched controls. <i>Acta Physiologica</i> , 2021, 231, e13557.	3.8	13
36	Changes in Biceps Femoris Long Head Fascicle Length after 10-d Bed Rest Assessed with Different Ultrasound Methods. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 1529-1536.	0.4	13

#	ARTICLE	IF	CITATIONS
37	Knee Extensors Muscle Plasticity Over a 5-Years Rehabilitation Process After Open Knee Surgery. <i>Frontiers in Physiology</i> , 2018, 9, 1343.	2.8	12
38	Longitudinal hypertrophic and transcriptional responses to high-load eccentric-concentric vs concentric training in males. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 2101-2115.	2.9	11
39	Peripheral nerve adaptations to 10 days of horizontal bed rest in healthy young adult males. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R495-R503.	1.8	10
40	Auto-semi-automatic assessment of human vastus lateralis and rectus femoris cross-sectional area in ultrasound images. <i>Scientific Reports</i> , 2021, 11, 13042.	3.3	9
41	Active older dancers have lower C-terminal Agrin fragment concentration, better balance and gait performance than sedentary peers. <i>Experimental Gerontology</i> , 2021, 153, 111469.	2.8	9
42	Early Biomarkers of Muscle Atrophy and of Neuromuscular Alterations During 10-Day Bed Rest. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	9
43	Early Changes of Hamstrings Morphology and Contractile Properties during 10 d of Complete Inactivity. <i>Medicine and Science in Sports and Exercise</i> , 2022, 54, 1346-1354.	0.4	9
44	Screening Tests for Assessing Athletes at Risk of ACL Injury or Re-injury: A Scoping Review. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2864.	2.6	9
45	Recommendations for altitude training programming to preserve athletes' health after the COVID-19 pandemic. <i>British Journal of Sports Medicine</i> , 2020, 54, 1184-1186.	6.7	8
46	Omega-3 supplementation during unilateral resistance exercise training in older women: A within subject and double-blind placebo-controlled trial. <i>Clinical Nutrition ESPEN</i> , 2021, 46, 394-404.	1.2	8
47	Tendon Adaptations to Eccentric Exercise and the Implications for Older Adults. <i>Journal of Functional Morphology and Kinesiology</i> , 2019, 4, 60.	2.4	7
48	Three-Dimensional Mapping of Shear Wave Velocity in Human Tendon: A Proof of Concept Study. <i>Sensors</i> , 2021, 21, 1655.	3.8	7
49	Muscle activation during leg-press exercise with or without eccentric overload. <i>European Journal of Applied Physiology</i> , 2020, 120, 1651-1656.	2.5	7
50	M. Biceps Femoris Long Head Architecture and Sprint Ability in Youth Soccer Players. <i>International Journal of Sports Physiology and Performance</i> , 2021, 16, 1616-1624.	2.3	6
51	Concentric and Eccentric Pedaling-Type Interval Exercise on a Soft Robot for Stable Coronary Artery Disease Patients: Toward a Personalized Protocol. <i>JMIR Research Protocols</i> , 2019, 8, e10970.	1.0	5
52	Skeletal muscle and cerebral oxygenation levels during and after submaximal concentric and eccentric isokinetic exercise. <i>Journal of Sports Sciences</i> , 2022, 40, 195-202.	2.0	5
53	Editorial: Physiology and Clinical Potential of Eccentric Exercise. <i>Frontiers in Physiology</i> , 2017, 8, 891.	2.8	4
54	JNK activation in TA and EDL muscle is load-dependent in rats receiving identical excitation patterns. <i>Scientific Reports</i> , 2021, 11, 16405.	3.3	4

#	ARTICLE	IF	CITATIONS
55	Neuromuscular Aging: A Case for the Neuroprotective Effects of Dancing. <i>Gerontology</i> , 2023, 69, 73-81.	2.8	4
56	The Cardiovascular Response to Interval Exercise Is Modified by the Contraction Type and Training in Proportion to Metabolic Stress of Recruited Muscle Groups. <i>Sensors</i> , 2021, 21, 173.	3.8	3
57	Accelerated Muscle Deoxygenation in Aerobically Fit Subjects During Exhaustive Exercise Is Associated With the ACE Insertion Allele. <i>Frontiers in Sports and Active Living</i> , 2022, 4, 814975.	1.8	3
58	Altered regional 3D shear wave velocity patterns in youth competitive alpine skiers suffering from patellar tendon complaints – a prospective case–control study. <i>European Journal of Sport Science</i> , 2023, 23, 1068-1076.	2.7	3
59	Response to the letter to editor by Dankel et al. 2017 – “Changes in muscle size via MRI and ultrasound: Are they equivalent?”. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 1469-1469.	2.9	2
60	Last Word on Viewpoint: Even more recipes to try, yet know what to put in the pan, as well as when and why. <i>Journal of Applied Physiology</i> , 2019, 127, 892-892.	2.5	0
61	Plyometric Training Induces Early Gains in Muscle Size, Strength and Power in Older Sarcopenic Males. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 124.	0.4	0
62	Large Hypertrophy but Unmodified Specific Tension of Single Fibers of Body Builders. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
63	Letter to the editor concerning the article “The role of exercise selection in regional Muscle Hypertrophy: A randomized controlled trial” by Zabaleta-Korta et al. (2021). <i>Journal of Sports Sciences</i> , 2022, 40, 655-657.	2.0	0